

CLAIMS AMENDMENTS

Please amend claims 1, 44, 66 and 80 as shown below. Claims 16-18, 21, 28-31, 33-43, 51-65, 81-85 and 87-107 were withdrawn from consideration following earlier elections. All other claims are unchanged. Because these amendments-after-final are intended to bring the application into condition for allowance, applicant respectfully requests entry of all of these amendments.

1 1. (currently amended) A firearm projectile assembly
2 apparatus, comprising:

3 a bullet;

4 a hollow core running completely through said bullet from a
5 front of said bullet to a rear of said bullet;

6 a core material within at least part of said hollow core;

7 an expansion-inducing tip integral with said core material,
8 and protruding forward of said front of said bullet;

9 a pressure shield; and

10 a connection between said expansion-inducing tip and said
11 pressure shield through said hollow core, via said core material;

12 wherein:

13 when said projectile assembly impacts with a target, said
14 expansion-inducing tip drives said core material rearward
15 relative to said hollow core, forcing said bullet to expand
16 radially outwardly; and

17 said connection ~~causes~~ securely holds said expansion-
18 inducing tip ~~to remain intact~~ in place during said bullet's flight
19 to a target.

1 2. (original) The apparatus of claim 1, said hollow core

2 further comprising:

3 a rear core diameter thereof proximate a rear of said
4 bullet; and

5 a front core diameter thereof proximate a front of said
6 bullet; wherein:

7 said front core diameter is greater than said rear core
8 diameter.

1 3. (original) The apparatus of claim 2, said hollow core
2 further comprising:

3 cross-sectional core diameters thereof increasing
4 progressively from said rear of said bullet to said front of
5 said bullet.

1 4. (original) The apparatus of claim 2; wherein:

2 said front core diameter is greater than said rear core
3 diameter by at least fifty percent.

1 5. (original) The apparatus of claim 3; wherein:

2 said front core diameter is greater than said rear core
3 diameter by at least fifty percent.

1 6. (original) The apparatus of claim 1, further comprising:

2 at least one circumferential belt circumscribing part of
3 said bullet.

1 7. (original) The apparatus of claim 6, said at least one
2 circumferential belt further comprising:

3 a protective lubricant.

1 8. (original) The apparatus of claim 1, further comprising:

2 a bullet engraving surface thereof toward a front of said
3 bullet; and

4 a primary bullet diameter thereof toward a middle and rear
5 of said bullet; wherein:

6 a diameter of said bullet engraving surface is greater than
7 said primary bullet diameter.

1 9. (original) The apparatus of claim 8, wherein:

2 said diameter of said bullet engraving surface is
3 approximately equal to a diameter of rifling grooves of a firearm
4 barrel in which said bullet is intended to be used; and

5 said primary bullet diameter is approximately equal to a
6 bore land diameter of the firearm barrel in which said bullet is
7 intended to be used.

1 10. (previously presented) The apparatus of claim 9, said
2 pressure shield further comprising:

3 a pressure shield front diameter approximately equal to the
4 bore land diameter; and

5 a pressure shield maximum diameter approximately equal to
6 the diameter of the rifling grooves.

1 11. (original) The apparatus of claim 10, wherein:

2 said pressure shield maximum diameter exceeds said diameter
3 of said bullet engraving surface by at least 0.2%; and
4 said pressure shield maximum diameter exceeds said diameter
5 of said bullet engraving surface by at most 0.7%.

1 12. (original) The apparatus of claim 10, said pressure shield
2 further comprising:

3 a pressure shield rear diameter less than the bore land
4 diameter.

1 13. (previously presented) The apparatus of claim 1, said

2 pressure shield further comprising:

3 a pressure shield front diameter approximately equal to a
4 bore land diameter of a firearm barrel in which said bullet is
5 intended to be used; and

6 a pressure shield maximum diameter approximately equal to a
7 diameter of rifling grooves of the firearm barrel.

1 14. (original) The apparatus of claim 13, said pressure shield
2 further comprising:

3 a pressure shield rear diameter less than the bore land
4 diameter.

1 15. (previously presented) The apparatus of claim 1, further
2 comprising:

3 a non-discriminating attachment of said pressure shield to
4 said bullet, such that after said projectile assembly is fired
5 from a firearm, said pressure shield does not discard from said
6 bullet during said bullet's flight to the target.

1 16. (previously presented) The apparatus of claim 1, said
2 pressure shield further comprising:

3 a controlled air space comprising:

4 powder-excluding protrusions; and

5 air recesses amidst said powder-excluding protrusions.

1 17. (withdrawn) The apparatus of claim 16, said powder
2 exclusions comprising a configuration selected from the
3 configuration group consisting of:

4 a honeycomb; an "x"; circles; lattices; and a grid.

1 18. (withdrawn) The apparatus of claim 16, said pressure shield
2 further comprising:

3 said powder-excluding protrusions structurally connecting
4 together a plurality of locations on an inner wall of said gas
5 check.

1 19. (previously presented) The apparatus of claim 1, said
2 pressure shield further comprising:

3 a porous material;
4 an air space comprising pores of said porous material; and
5 said porous material substantially excluding powder from
6 said air space.

1 20. (original) The apparatus of claim 1, further comprising:
2 said core material substantially filling only part of said
3 hollow core; and

4 said hollow core comprising an unfilled chamber cavity
5 unfilled by said core material.

1 21. (withdrawn) The apparatus of claim 1, further comprising:
2 said core material substantially filling all of said hollow
3 core.

1 22. (original) The apparatus of claim 1, said expansion-
2 inducing tip comprising:

3 a driving wedge proximate a rear of said expansion-inducing
4 tip, for driving into and expanding said hollow, responsive to
5 said expansion-inducing tip striking a target.

1 23. (cancelled)

1 24. (previously presented) The apparatus of claim 1, further
2 comprising a pressure shield subassembly comprising:
3 a pressure shield mating extension inserted into said
4 hollow core proximate said rear of a bullet; and

5 said pressure shield integrally attached proximate a rear of
6 said pressure shield mating extension, said pressure shield
7 comprising a rearward-oriented gas check.

1 25. (original) The apparatus of claim 1, further comprising an
2 expansion tip subassembly comprising:

3 an expansion tip mating extension comprising said core
4 material, inserted into said hollow core proximate said front of
5 said bullet; and

6 said expansion-inducing tip, integrally attached proximate a
7 front of said expansion tip mating extension.

1 26. (original) The apparatus of claim 24, further comprising:

2 an expansion tip subassembly comprising:

3 an expansion tip mating extension comprising said core
4 material, inserted into said hollow core proximate said front of
5 said bullet; and

6 said expansion-inducing tip, integrally attached proximate a
7 front of said expansion tip mating extension; and

8 said pressure shield mating extension mated with said
9 expansion tip mating extension.

1 27. (previously presented) The apparatus of claim 26, further
2 comprising:

3 said pressure shield mating extension mated with said
4 expansion tip mating extension such that after said projectile
5 assembly is fired from a firearm, said pressure shield does not
6 discard from said bullet during said bullet's flight to the
7 target.

1 28. (withdrawn) A firearm projectile apparatus,

2 comprising:

3 a bullet;

4 a pressure shield; and

5 a non-discriminating attachment of said pressure shield to said
6 bullet, such that after said projectile assembly is fired from a
7 firearm, said pressure shield does not discard from said bullet
8 during said bullet's flight to a target.

1 29. (withdrawn) The apparatus of claim 28, said pressure shield

2 comprising:

3 a gas check; and

4 a controlled air space comprising:

5 powder-excluding protrusions; and

6 air recesses amidst said powder-excluding protrusions.

1 30. (withdrawn) The apparatus of claim 29, said powder

2 exclusions comprising a configuration selected from the

3 configuration group consisting of:

4 a honeycomb; an "x"; circles; lattices; and a grid.

1 31. (withdrawn) The apparatus of claim 29, said pressure shield

2 comprising:

3 said powder-excluding protrusions structurally connecting

4 together a plurality of locations on an inner wall of said gas

5 check.

1 32. (previously presented) The apparatus of claim 27, said

2 pressure shield comprising:

3 a porous material;

4 an air space comprising pores of said porous material; and

5 said porous material substantially excluding powder from

6 said air space.

1 33. (withdrawn) The apparatus of claim 28, said pressure shield
2 comprising:

3 a pressure shield front diameter approximately equal to a
4 bore land diameter of a firearm barrel in which said bullet is
5 intended to be used; and

6 a pressure shield maximum diameter approximately equal to a
7 diameter of rifling grooves of the firearm barrel in which said
8 bullet is intended to be used.

1 34. (withdrawn) The apparatus of claim 33, said pressure shield
2 comprising:

3 a pressure shield rear diameter less than the bore land
4 diameter.

1 35. (withdrawn) The apparatus of claim 28, further comprising a
2 bullet assembly comprising:

3 said bullet; and

4 said hollow core running completely through said bullet.

1 36. (withdrawn) The apparatus of claim 35, further comprising a
2 pressure shield subassembly comprising:

3 a pressure shield mating extension inserted into said
4 hollow core proximate said rear of a bullet; and

5 said pressure shield integrally attached proximate a rear of
6 said pressure shield mating extension, said pressure shield
7 comprising a rearward-oriented gas check.

1 37. (withdrawn) The apparatus of claim 36, further comprising:

2 said pressure shield mating extension mated with an

3 expansion tip mating extension of an expansion tip subassembly

4 such that said pressure shield does not discard from said bullet.

1 38. (withdrawn) A pressure shield for attachment to a rear of a
2 bullet, comprising:

3 a gas check; and

4 a controlled air space comprising:

5 powder-excluding protrusions; and

6 air recesses amidst said powder-excluding protrusions.

1 39. (withdrawn) The apparatus of claim 38, said powder
2 exclusions comprising a configuration selected from the
3 configuration group consisting of:

4 a honeycomb; an "x"; circles; lattices; and a grid.

1 40. (withdrawn) The pressure shield of claim 38, further
2 comprising:

3 said powder-excluding protrusions structurally connecting
4 together a plurality of locations on an inner wall of said gas
5 check.

1 41. (withdrawn) The pressure shield of claim 38, said pressure
2 shield further comprising:

3 a pressure shield front diameter approximately equal to a
4 bore land diameter of a firearm barrel in which said bullet is
5 intended to be used; and

6 a pressure shield maximum diameter approximately equal to a
7 diameter of rifling grooves of the firearm barrel in which said
8 bullet is intended to be used.

1 42. (withdrawn) The pressure shield of claim 40, said pressure
2 shield further comprising:

3 a pressure shield rear diameter less than the bore land

4 diameter.

1 43. (withdrawn) A pressure shield for attachment to a rear of a
2 bullet, comprising:

3 a solid, porous material;

4 an air space comprising pores of said solid, porous
5 material; and

6 the solid nature of said solid, porous material
7 substantially excluding powder from said air space.

1 44. (currently amended) A bullet subassembly comprising:

2 a hollow core running completely through said bullet
3 subassembly from a front of said bullet subassembly to a rear of
4 said bullet subassembly;

5 an expansion-inducing tip integral with a core material
6 within at least part of said hollow core, and protruding forward
7 of said front of said bullet subassembly;

8 a pressure shield; and

9 a connection between said expansion-inducing tip and said
10 pressure shield through said hollow core, via said core material;
11 wherein:

12 said connection ~~causes~~ securely holds said expansion-
13 inducing tip ~~to remain intact~~ in place during said bullet's flight
14 to a target.

1 45. (original) The bullet subassembly of claim 44, said hollow
2 core comprising:

3 a rear core diameter thereof proximate a rear of said bullet
4 subassembly; and

5 a front core diameter thereof proximate a front of said

6 bullet subassembly; wherein:

7 said front core diameter is greater than said rear core
8 diameter.

1 46. (original) The bullet subassembly of claim 45, said hollow
2 core further comprising

3 cross-sectional core diameters thereof increasing
4 progressively from said rear of said bullet subassembly to said
5 front of said bullet subassembly.

1 47. (original) The bullet subassembly of claim 45; wherein:

2 said front core diameter is greater than said rear core
3 diameter by at least fifty percent.

1 48. (original) The bullet subassembly of claim 46; wherein:

2 said front core diameter is greater than said rear core
3 diameter by at least fifty percent.

1 49. (original) The bullet subassembly of claim 44, further
2 comprising:

3 a bullet engraving surface thereof toward a front of said
4 bullet subassembly; and

5 a primary bullet diameter thereof toward a middle and rear
6 of said bullet subassembly; wherein:

7 a diameter of said bullet engraving surface is greater than said
8 primary bullet diameter.

1 50. (original) The bullet subassembly of claim 49, wherein:

2 said diameter of said bullet engraving surface is
3 approximately equal to a diameter of rifling grooves of a firearm
4 barrel in which said bullet subassembly is intended to be used;
5 and

6 said primary bullet diameter is approximately equal to a
7 bore land diameter of the firearm barrel in which said bullet
8 subassembly is intended to be used.

1 51. (withdrawn) A pressure shield subassembly, comprising:

2 a pressure shield mating extension for insertion into a
3 hollow proximate a rear of a bullet subassembly, capable of
4 mating with an expansion tip mating extension of an expansion tip
5 subassembly; and

6 a pressure shield integrally attached proximate a rear of
7 said pressure shield mating extension, said pressure shield
8 comprising a rearward-oriented gas check.

1 52. (withdrawn) The pressure shield subassembly of claim 51,
2 said pressure shield further comprising:

3 a controlled air space comprising:

4 powder-excluding protrusions; and

5 air recesses amidst said powder-excluding protrusions.

1 53. (withdrawn) The apparatus of claim 52, said powder
2 exclusions comprising a configuration selected from the
3 configuration group consisting of:

4 a honeycomb; an "x"; circles; lattices; and a grid.

1 54. (withdrawn) The pressure shield subassembly of claim 52,
2 said pressure shield further comprising:

3 said powder-excluding protrusions structurally connecting
4 together a plurality of locations on an inner wall of said gas
5 check.

1 55. (withdrawn) The pressure shield subassembly of claim 51,
2 said pressure shield further comprising:

3 a solid, porous material;
4 an air space comprising pores of said solid, porous
5 material; and

6 the solid nature of said solid, porous material
7 substantially excluding powder from said air space.

1 56. (withdrawn) The pressure shield subassembly of claim 51,
2 said pressure shield further comprising:

3 a pressure shield front diameter approximately equal to a
4 bore land diameter of a firearm barrel in which said bullet
5 subassembly is intended to be used; and

6 a pressure shield maximum diameter approximately equal to a
7 diameter of rifling grooves of the firearm barrel in which said
8 bullet subassembly is intended to be used.

1 57. (withdrawn) The pressure shield subassembly of claim 56,
2 said pressure shield further comprising:

3 a pressure shield rear diameter less than the bore land
4 diameter.

1 58. (withdrawn) The pressure shield subassembly of claim 51,
2 further comprising:

3 a driving head comprising an acutely-angled tip.

1 59. (withdrawn) The pressure shield subassembly of claim 51,
2 further comprising:

3 expansion scoring weakening said pressure shield mating
4 extension for driving an acutely-angled tip therethrough.

1 60. (withdrawn) An expansion tip subassembly, comprising:
2 an expansion tip mating extension for insertion into a hollow
3 proximate a front of a bullet subassembly, capable of mating with

4 a pressure shield mating extension of a pressure shield
5 subassembly; and

6 an expansion-inducing tip, integrally attached proximate a
7 front of said expansion tip mating extension.

1 61. (withdrawn) The expansion tip subassembly of claim 60,
2 further comprising:

3 a driving wedge proximate a rear of said expansion-inducing
4 tip, for driving into and expanding said hollow, responsive to
5 said expansion-inducing tip striking a target.

1 62. (withdrawn) The expansion tip subassembly of claim 61, said
2 driving wedge configured to fill only part of a hollow core of a
3 bullet subassembly.

1 63. (withdrawn) The expansion tip subassembly of claim 61, said
2 driving wedge configured to substantially fill all of a hollow
3 core of a bullet subassembly.

1 64. (withdrawn) The expansion tip subassembly of claim 60,
2 further comprising:

3 a driving head comprising an acutely-angled tip.

1 65. (withdrawn) The expansion tip subassembly of claim 60,
2 further comprising:

3 expansion scoring weakening said expansion tip mating
4 extension for driving an acutely-angled tip therethrough.

1 66. (currently amended) A firearm projectile assembly
2 apparatus, comprising:

3 a bullet subassembly comprising a hollow core running
4 completely through said bullet subassembly from a front of said
5 bullet subassembly to a rear of said bullet subassembly;

6 a pressure shield subassembly comprising a pressure shield
7 mating extension, and a pressure shield integrally attached
8 proximate a rear of said pressure shield mating extension, said
9 pressure shield comprising a rearward-oriented gas check;

10 an expansion tip subassembly comprising ~~an expansion tip~~
11 ~~mating extension and~~ an expansion-inducing tip integral with a
12 core material, said core material comprising an expansion tip
13 mating extension and residing within at least part of said hollow
14 core, and said expansion-inducing tip protruding forward of said
15 front of said bullet subassembly and integrally attached
16 proximate a front of said expansion tip mating extension;

17 said pressure shield mating extension inserted into the rear
18 of said hollow core;

19 said expansion tip mating extension inserted into the front
20 of said hollow core; and

21 said pressure shield mating extension mated with said
22 expansion tip mating extension.

1 67. (original) The apparatus of claim 66, further comprising:

2 said pressure shield mating extension mated with said
3 expansion tip mating extension such that after said projectile
4 assembly is fired from a firearm, said pressure shield does not
5 discard from said bullet during said bullet's flight to a target.

1 68. (original) The apparatus of claim 66, said hollow core
2 comprising:

3 a rear core diameter thereof proximate a rear of said bullet
4 subassembly; and

5 a front core diameter thereof proximate a front of said

6 bullet subassembly; wherein:

7 said front core diameter is greater than said rear core
8 diameter.

1 69. (original) The apparatus of claim 68, said hollow core
2 further comprising

3 cross-sectional core diameters thereof increasing
4 progressively from said rear of said bullet subassembly to said
5 front of said bullet subassembly.

1 70. (original) The apparatus of claim 68; wherein:

2 said front core diameter is greater than said rear core
3 diameter by at least fifty percent.

1 71. (original) The apparatus of claim 69; wherein:

2 said front core diameter is greater than said rear core
3 diameter by at least fifty percent.

1 72. (original) The apparatus of claim 66, further comprising:

2 at least one circumferential belt circumscribing part of
3 said bullet subassembly.

1 73. (original) The apparatus of claim 72, said at least one
2 circumferential belt further comprising:

3 a protective lubricant.

1 74. (original) The apparatus of claim 66, further comprising:

2 a bullet engraving surface thereof toward a front of said bullet
3 subassembly; and

4 a primary bullet diameter thereof toward a middle and rear
5 of said bullet subassembly; wherein:

6 a diameter of said bullet engraving surface is greater than
7 said primary bullet diameter.

1 75. (original) The apparatus of claim 74, wherein:
2 said diameter of said bullet engraving surface is
3 approximately equal to a diameter of rifling grooves of a firearm
4 barrel in which said bullet subassembly is intended to be used;
5 and

6 said primary bullet diameter is approximately equal to a
7 bore land diameter of the firearm barrel in which said bullet
8 subassembly is intended to be used.

1 76. (original) The apparatus of claim 75, said pressure shield
2 further comprising:

3 a pressure shield front diameter approximately equal to a
4 bore land diameter of a firearm barrel in which said bullet
5 subassembly is intended to be used; and

6 a pressure shield maximum diameter approximately equal to a
7 diameter of rifling grooves of the firearm barrel in which said
8 bullet subassembly is intended to be used.

1 77. (original) The apparatus of claim 76, wherein:

2 said pressure shield maximum diameter exceeds said diameter
3 of said bullet engraving surface by at least 0.2%; and

4 said pressure shield maximum diameter exceeds said diameter
5 of said bullet engraving surface by at most 0.7%.

1 78. (original) The apparatus of claim 77, said pressure shield
2 further comprising:

3 a pressure shield rear diameter less than the bore land
4 diameter.

1 79. (original) The apparatus of claim 66, said pressure shield
2 further comprising:

3 a pressure shield front diameter approximately equal to a
4 bore land diameter of a firearm barrel in which said bullet
5 subassembly is intended to be used; and

6 a pressure shield maximum diameter approximately equal to a
7 diameter of rifling grooves of the firearm barrel in which said
8 bullet subassembly is intended to be used.

1 | 80. (currently amended) The apparatus of claim 66, said
2 pressure shield further comprising:

3 a pressure shield rear diameter less than the bore land
4 diameter.

1 | 81. (withdrawn) The apparatus of claim 66, said pressure shield
2 further comprising:

3 a controlled air space comprising:
4 powder-excluding protrusions; and
5 air recesses amidst said powder-excluding protrusions.

1 | 82. (withdrawn) The apparatus of claim 81, said powder
2 exclusions comprising a configuration selected from the
3 configuration group consisting of:

4 a honeycomb; an "x"; circles; lattices; and a grid.

1 | 83. (withdrawn) The apparatus of claim 81, said pressure shield
2 further comprising:

3 said powder-excluding protrusions structurally connecting
4 together a plurality of locations on an inner wall of said gas
5 check.

1 | 84. (withdrawn) The apparatus of claim 66, further comprising a
2 pressure shield, said pressure shield further comprising:

3 a solid, porous material;

4 an air space comprising pores of said solid, porous
5 material; and

6 the solid nature of said solid, porous material
7 substantially excluding powder from said air space.

1 85. (withdrawn) The apparatus of claim 66, said expansion tip
2 subassembly further comprising:

3 a driving wedge proximate a rear of said expansion-inducing
4 tip, for driving into and expanding said hollow, responsive to
5 said expansion-inducing tip striking a target.

1 86. (previously presented) The apparatus of claim 1, further
2 comprising:

3 said core material substantially filling only part of said
4 hollow core; and

5 said hollow core comprising an unfilled chamber cavity
6 unfilled by said core material.

1 87. (withdrawn) The apparatus of claim 1, further comprising:

2 said expansion tip subassembly substantially filling all of
3 said hollow core.

1 88. (withdrawn) A method of manufacturing a firearm projectile
2 assembly, comprising the steps of:

3 fabricating a bullet subassembly comprising a hollow core
4 running completely through said bullet subassembly from a front
5 of said bullet subassembly to a rear of said bullet subassembly;

6 fabricating a pressure shield subassembly comprising a
7 pressure shield mating extension, and a pressure shield
8 integrally attached proximate a rear of said pressure shield
9 mating extension, said pressure shield comprising a rearward-

10 oriented gas check;
11 fabricating an expansion tip subassembly comprising an
12 expansion tip mating extension and an expansion-inducing tip
13 integrally attached proximate a front of said expansion tip
14 mating extension;

15 inserting said pressure shield mating extension into the
16 rear of said hollow core;

17 inserting said expansion tip mating extension into the front
18 of said hollow core; and

19 mating said pressure shield mating extension with said
20 expansion tip mating extension.

1 89. (withdrawn) The method of claim 88, further comprising the
2 step of:

3 mating said pressure shield mating extension with said
4 expansion tip mating extension such that after said projectile
5 assembly is fired from a firearm, said pressure shield does not
6 discard from said bullet during said bullet's flight to a target.

1 90. (withdrawn) A firearm projectile assembly product, produced
2 using a process comprising the steps of:

3 fabricating a bullet subassembly comprising a hollow core
4 running completely through said bullet subassembly from a front
5 of said bullet subassembly to a rear of said bullet subassembly;
6 fabricating a pressure shield subassembly comprising a pressure
7 shield mating extension, and a pressure shield integrally
8 attached proximate a rear of said pressure shield mating
9 extension, said pressure shield comprising a rearward-oriented
10 gas check;

11 fabricating an expansion tip subassembly comprising an
12 expansion tip mating extension and an expansion-inducing tip
13 integrally attached proximate a front of said expansion tip
14 mating extension;

15 inserting said pressure shield mating extension into the
16 rear of said hollow core;

17 inserting said expansion tip mating extension into the front
18 of said hollow core; and

19 mating said pressure shield mating extension with said
20 expansion tip mating extension.

1 91. (withdrawn) The product of claim 90, said process further
2 comprising the step of:

3 mating said pressure shield mating extension with said
4 expansion tip mating extension such that after said projectile
5 assembly is fired from a firearm, said pressure shield does not
6 discard from said bullet during said bullet's flight to a target.

1 92. (withdrawn) A method of facilitating loading of a firearm
2 projectile assembly into a front-loading firearm and improving
3 seating and engraving of said firearm projectile assembly within
4 a barrel of said firearm, comprising the steps of:

5 inserting into a front of the barrel, a rear of a pressure
6 shield of said firearm projectile assembly comprising a pressure
7 shield rear diameter less than a bore land diameter of the
8 barrel;

9 further inserting into the front of the barrel, a further-
10 forward region of said pressure shield comprising a pressure
11 shield maximum diameter approximately equal to a diameter of

12 rifling grooves of the firearm barrel;
13 further inserting into the front of the barrel, a front of said
14 pressure shield comprising a pressure shield front diameter
15 approximately equal to a bore land diameter of the firearm
16 barrel;

17 further inserting into said front of the barrel, a middle
18 and rear of a bullet of said firearm projectile assembly
19 comprising a primary bullet diameter approximately equal to the
20 bore land diameter; and

21 further inserting into said front of the barrel, an
22 engraving surface of said bullet comprising an engraving surface
23 diameter approximately equal to the diameter of the rifling
24 grooves.

1 93. (withdrawn) A method of ensuring consistent ballistic
2 performance for a firearm projectile assembly fired from a front-
3 loading firearm, comprising the step of:

4 attaching a pressure shield of said firearm projectile
5 assembly to a bullet of said firearm projectile assembly, such
6 that after said projectile assembly is fired from a firearm, said
7 pressure shield does not discard from said bullet during said
8 bullet's flight to a target.

1 94. (withdrawn) A method of ensuring consistent ballistic
2 performance for a firearm projectile assembly fired from a front-
3 loading firearm, comprising the steps of:

4 inserting a powder charge into a barrel of the firearm;
5 inserting into the front of the barrel forward of said powder
6 charge, a pressure shield of said firearm projectile assembly

7 attached to a rear of a bullet of said firearm projectile
8 assembly;

9 establishing a controlled air space by butting powder-
10 excluding protrusions of said pressure shield against said powder
11 charge while said powder charge is simultaneously substantially
12 prevented from entering air recesses amidst said powder-excluding
13 protrusions; and

14 transferring pressure from ignition of said powder charge to
15 said bullet via a gas check of said pressure shield.

1 95. (withdrawn) The method of claim 94, further comprising the
2 step of:

3 attaching said pressure shield to said bullet, such that
4 after said projectile assembly is fired from a firearm, said
5 pressure shield does not discard from said bullet during said
6 bullet's flight to a target.

1 96. (withdrawn) The method of claim 94, further comprising the
2 step of:

3 substantially preventing structural deformation of said gas
4 check by connecting together a plurality of locations on an inner
5 wall of said gas check via said powder-excluding protrusions.

1 97. (withdrawn) The method of claim 94, further comprising the
2 step of:

3 establishing said air space within pores of a solid, porous
4 material comprising said pressure shield; and

5 controlling said air space using the solid nature of said
6 solid, porous material to provide said powder-excluding
7 protrusions substantially excluding powder from said air space.

1 98. (withdrawn) A method of facilitating the expansion of a
2 firearm projectile assembly when said projectile assembly impacts
3 with a target, comprising the steps of:

4 firing said firearm projectile assembly from a firearm;
5 impacting a target with an expansion-inducing tip of said firearm
6 projectile assembly protruding forward of a front of a bullet of
7 said firearm projectile assembly;

8 driving a core material within at least part of a hollow
9 core running completely through said bullet from a front of said
10 bullet subassembly to a rear of said bullet rearward relative to
11 said hollow core, by transferring the impact through said
12 expansion-inducing tip to said core material;

13 expanding said bullet substantially along its full length,
14 via the compression of said core material caused by driving the
15 core material rearward relative to said hollow core running
16 completely through said bullet.

1 99. (withdrawn) The method of claim 98, said step of driving
2 comprising driving said core material through an unfilled chamber
3 cavity unfilled by said core material.

1 100. (withdrawn) The method of claim 98, said step of driving
2 comprising driving said core material through said hollow core
3 substantially filled with said core material.

1 101. (withdrawn) A method of producing varying weight bullets of
2 given caliber and front-to-rear length, comprising the steps of:

3 producing a first bullet and a second bullet each of
4 substantially identical caliber and front-to-rear length;
5 producing a predetermined first integral number greater than or

6 equal to one of first circumferential belts recessed
7 circumferentially into and around an outer surface of said first
8 bullet, each first circumferential belt comprising a first depth
9 and a first front-to-rear length, and each said first
10 circumferential belt containing a first protective lubricant
11 comprising a first protective lubricant density thereof;

12 producing a predetermined second integral number greater
13 than or equal to one of second circumferential belts recessed
14 circumferentially into and around an outer surface of said second
15 bullet, each second circumferential belt comprising a second
16 depth and a second front-to-rear length, and each said second
17 circumferential belt containing a second protective lubricant
18 comprising a second protective lubricant density thereof;

19 causing said first bullet and said second bullet to comprise
20 different weights from one another by varying at least one
21 weighting parameter selected from the weighting parameter varying
22 group consisting of: varying said second integral number relative
23 to said first integral number; varying said second depth relative
24 to said first depth; varying said second front-to-rear length
25 relative to said first front-to-rear length; and varying said
26 second protective lubricant density relative to said first
27 protective lubricant density.

1 102. (withdrawn) The method of claim 101, further comprising the
2 step of:

3 varying exactly one of said weighting parameters;

4 said exactly one weighting parameter consisting of said
5 second depth relative to said first depth.

1 103. (withdrawn) The method of claim 101, further comprising the
2 step of:

3 varying exactly one of said weighting parameters;
4 said exactly one weighting parameter consisting of second
5 front-to-rear length relative to said first front-to-rear length.

1 104. (withdrawn) The method of claim 101, further comprising the
2 step of:

3 varying at least two of said weighting parameters.

1 105. (withdrawn) The method of claim 104, the at least two
2 varied weighting parameters comprising:

3 said second depth relative to said first depth; and
4 said second front-to-rear length relative to said first
5 front-to-rear length.

1 106. (withdrawn) The method of claim 101, further comprising the
2 step of:

3 varying at least three of said weighting parameters.

1 107. (withdrawn) The method of claim 101, further comprising the
2 step of:

3 varying all four of said weighting parameters.